

PTO/SB/08A (10-96)  
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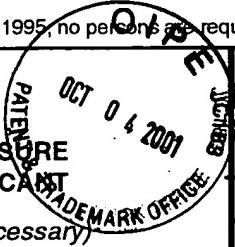
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**Substitute for form 1449A/PTO  
(Modified by BSTZ 6/30/99)**



**Complete if Known**

Application Number	09/767,280
Filing Date	January 22, 2001
First Named Inventor	Hawley K. Rising, III
Group Art Unit	<u>2122</u> 2121
Examiner Name	Unassigned <i>baker</i> Technology Center 2100
Attorney Docket Number	80398P325

Sheet

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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

## **OTHER DOCUMENTS**

Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No
<i>XB</i>	Anderson, J.R., "Arguments Concerning Representations for Mental Imagery", Psych. Rev. Vol. 85, No. 4, July 1978, pgs. 249-277.	
<i>XB</i>	Arnold, V.I. "Geometrical Methods in the Theory of Ordinary Differential Equations", Table of Contents, New York, Springer-Verlag, 1983, pgs. 5.	
<i>XB</i>	Barth, E., et al., "Image Encoding, Labeling, and Reconstruction from Differential Geometry", CVGIP, June 1992, pgs. 428-445.	
<i>XB</i>	Beutelspacher, A., et al., "Projective Geometry From Foundations to Applications", New York, Table of Contents, Cambridge University Press, 1998, pgs. 3.	
<i>XB</i>	Blum, L., et al., "Complexity and Real Computation", Table of Contents, New York, Springer-Verlag, 1997, pgs. 12.	

Examiner  
Signature

 Kelvin Baker

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 2 of 6

**Complete if Known**

Application Number	09/767,280
Filing Date	January 22, 2001
First Named Inventor	Hawley K. Rising, III
Group Art Unit	<del>2122 2121</del>
Examiner Name	Unassigned <i>Baylor</i>
Attorney Docket Number	80398P325

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<i>ZB</i>	Bolker, E.D., "The Finite Radon Transform", Integral Geometry, R.L. Bryant, et al., AMS Contemporary Mathematics, Vol. 63, 1984, pgs. 27-50.	
<i>ZB</i>	Buekenhout, F., "Handbook of Incidence Geometry", Table of Contents, New York, North Holland, Elsevier, 1995, pgs. 24.	
<i>ZB</i>	Carroll, S.M., et al., "Construction of Neural Nets Using the Radon Transform", IJCNN, Vol. 1, 1989, pgs. 607-611.	
<i>ZB</i>	Diaconis, P., "Projection Pursuit for Discrete Data", Technical Report No. 198, Department of Statistics, Stanford University, April 1983, pgs. 1-28.	
<i>ZB</i>	Edelman, S., "Representation, Similarity and the Chorus of Prototypes", Minds and Machines, February 1995, pgs. 45-68.	

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Substitute for form 1449A/PTO (Modified by BSTZ 6/30/99)				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i> 				Application Number	09/767,280
				Filing Date	January 22, 2001
				First Name and Inventor	Hawley K. Rising, III
				Group Art Unit	2122 2121
				Examiner Name	Unassigned Booker
Sheet	4	of	6	Attorney Docket Number	80398P325

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<i>XB</i>	Kurusa, A., "The Radon transform on half sphere" Acta Sci. Math. (Szeged), Vol. 53, Nos. 1-4, 1993, pgs. 143-158.	
<i>XB</i>	Matus, F., et al., "Image Representations via a Finite Radon Transform" IEEE Trans. PAMI, Vol. 15, No. 10, October 1993, pgs. 996-1006.	
<i>XB</i>	Meyer, Y., "Wavelets Algorithms and Applications", Philadelphia, SIAM Press, 1993, Table of Contents, pgs. 10.	
<i>XB</i>	Okamoto, H., "MT neurons in the macaque exhibited two types of bimodal direction tuning as predicted by a model for visual motion detection" Vision Research 39, 1999, pgs. 3465-3479.	
<i>XB</i>	Poggio, T., et al., "On the Representation of Multi?Input Systems: Computational Properties of Polynomial Algorithms" Biological Cybernetics, Vol. 37, No. 3, July 1980, pgs. 167-186.	

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STATEMENT BY APPLICANT**

OCT 04 2001

**Application Number**

09/767,280

**Filing Date**

January 22, 2001

## **First Named Inventor**

Hawley K. Rising, III

## Group Art Unit

~~2122~~ 2121

**Examiner Name**

Unassigned

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**Attorney Docket Number**

80398P325

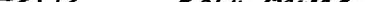
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<i>JB</i>	Ramm, A.G., et al., "The Radon Transform and Local Tomography", Table of Contents, New York, CRC Press, 1996, pgs. 10	
<i>JB</i>	Rising, H.K., "Creating a Biologically Plausible Model of Recognition which Generalizes Multidimensional Scaling" SPIE, Vol. 3644, Human Vision and Electronic Imaging IV, Rogowitz, B. E., et al., January 1999, pgs. 411-420.	
<i>JB</i>	Rising, H.K. "Deriving and combining biologically plausible visual Processes with the Windowed Radon Transform" SPIE Proc. Vol. 3299, Human Vision and Electronic Imaging III, Rogowitz, B.E., et al. January 1998, pgs. 519-525.	
<i>JB</i>	Rising, H.K., "Assessing the Similarity of Mechanisms in Motion and Color Processing for Synchronization of Visual Pathways", SPIE, Vol. 3016, Human Vision and Imaging II, Rogowitz, B.E., et al., February 1997, pgs. 302-312.	
<i>JB</i>	Rolls, E.T., et al. "Neural Networks and Brain Function", New York: Oxford University Press, Preface and Table of Contents, 1998, pgs. 5.	

Examiner Signature	 Kelvin Brucker	Date Considered	9/25/03
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				Group Art Unit	2122 Z121
				Examiner Name	Unassigned Booker
Sheet	1	of	2	Attorney Docket Number	80398P325

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	International Search Report, PCT/US01/02430, pgs. 4.	
XB	RISING, "Inversion Processes in the Human Visual System", Proceedings of SPIE, Vol. 3959 (2000), Sony MediaSoft Lab, U.S. Research Labs, San Jose, CA , pp. 400-408.	
XB	ALBANESE, "Thresholding Wavelets for Image Compression", 1998, IEEE, University of Pavia, Dipartimento di Informatica e Sistemistica, pgs. 374-389.	
XB	AHMED, et al., "Application of Multi-layer Neural Networks to Image Compression", 1997 IEEE, Interantional Symposium on Circuits and Systems, June 9-12, 1997, Hong Kong, pgs. 1273-1276.	
XB	MEIR, et al., "Stochastic Approximation by Neural Networks Using the Radon and Wavelet Transforms", 1998 IEEE, Department of Electrical Engine ring, Israel, pgs. 224-232.	

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				Group Art Unit	2122 2121
				Examiner Name	Unassigned <i>Booker</i>
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<i>JB</i>	CARRROLL, et al., "Construction of Neural Nets Using the Radon Transform", Department of Electrical Engineering, Princeton University, IJCNN International Joint Conference On Neural Networks, June 19-22, 1989, pgs. 6.	
<i>JB</i>	KHUWAJA, et al., "Fingerprint Image Compression", Physics Department, Kuwait University, IEEE, pp. 517-526. <i>2000</i>	
<i>JB</i>	FANGHANEL, et al., "Optimizing Wavelet Transform Coding Using a Neural Network", 1997 IEEE, Universität der Bundeswehr Hamburg, pgs.1341-1343.	

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